

# Floyd's Fork Stakeholder Process



Lindell Ormsbee, P.E., P.H., Ph.D, D.WRE  
Director, Kentucky Water Resources Research Institute  
Director, Kentucky Center of Excellence for Watershed Management  
Associate Director, UK Superfund Research Center  
[lormsbee@engr.uky.edu](mailto:lormsbee@engr.uky.edu)

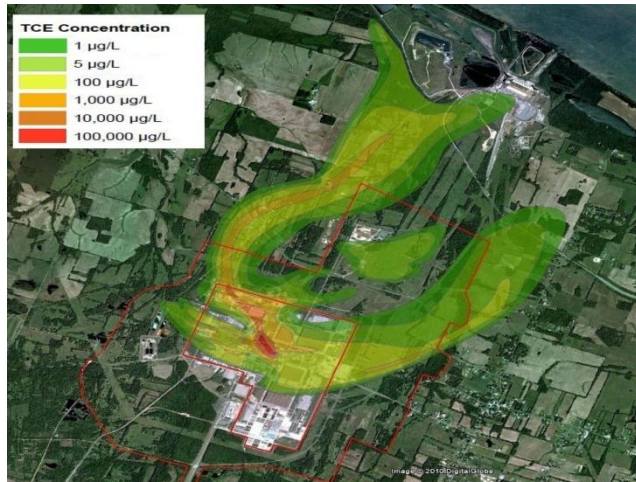
# Basic Goals

- Working with stakeholders to develop a community-driven engagement process
- Identify stakeholder perspectives about possible management strategies for Floyd's Fork watershed
- Provide community members with opportunities to evaluate these strategies



# The Paducah Gaseous Diffusion Plant

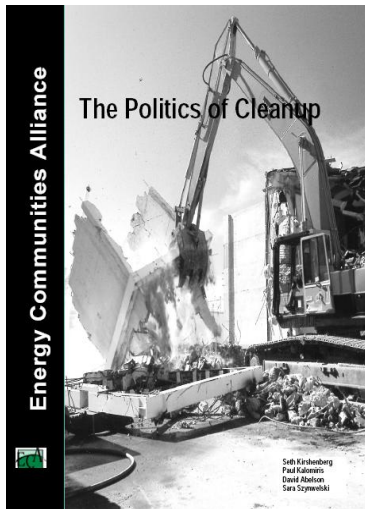
([www.paducahvision.com](http://www.paducahvision.com))



- Only operating US uranium enrichment plant
- 1,200 workers
- \$121 million payroll
- Buffered by West Kentucky Wildlife Management Area
- TCE and Tc-99 found in nearby private drinking wells (1988)
- US EPA Superfund National Priority List (1993-94) Largest in Kentucky
- Among the world's largest TCE plumes
- Plant scheduled to close in 5-10 years

**What is the community vision for the future use of the DOE property?**



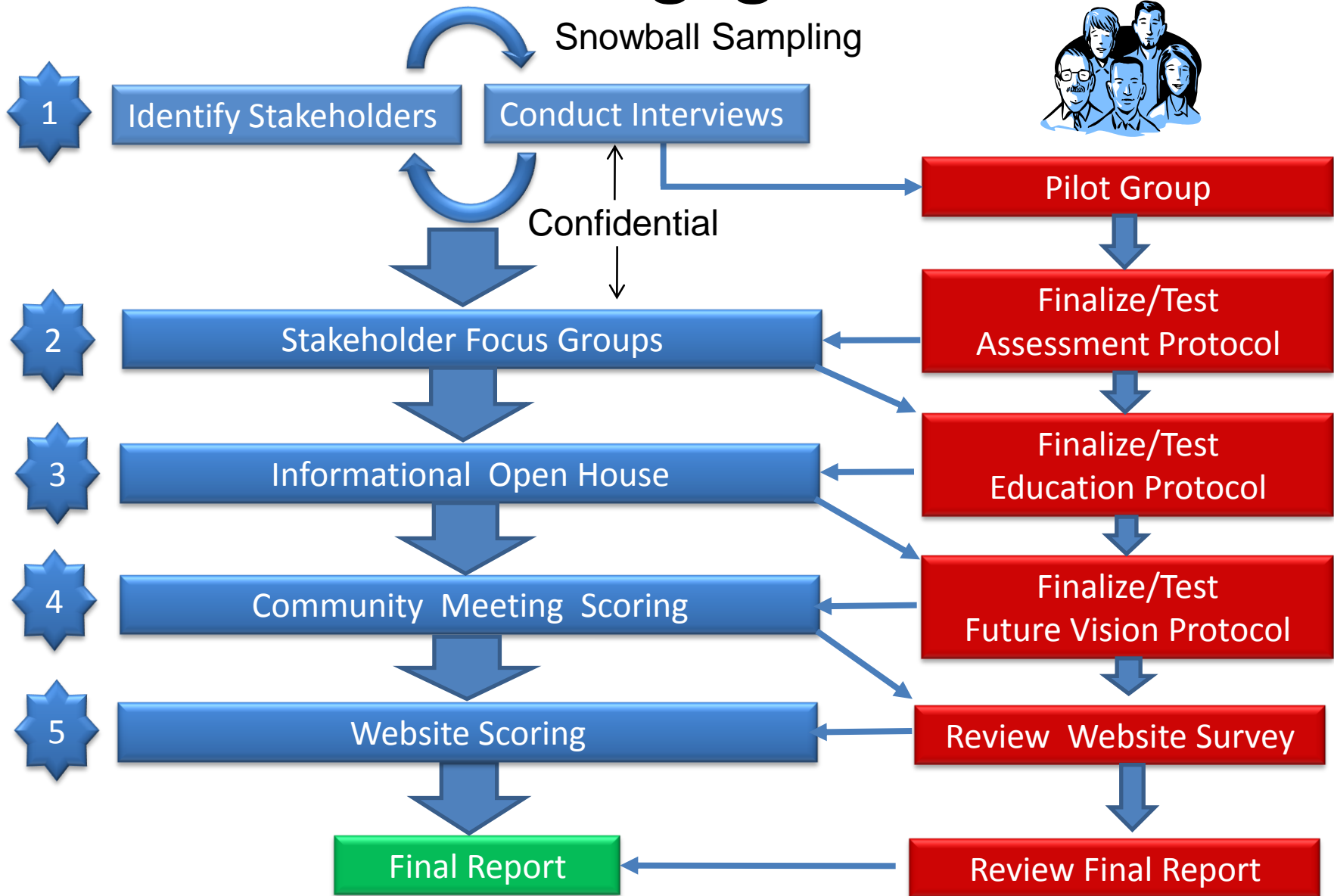


A vertical ladder diagram illustrating the progression of stakeholder participation. The rungs of the ladder, from bottom to top, are: Manipulation (dark red), Therapy (dark red), Placation (dark red), Informing (orange), Consultation (orange), Partnership (light green), Delegated Power (light green), and Citizen Control (light green). Blue arrows point upwards between each rung, indicating a sequential progression.

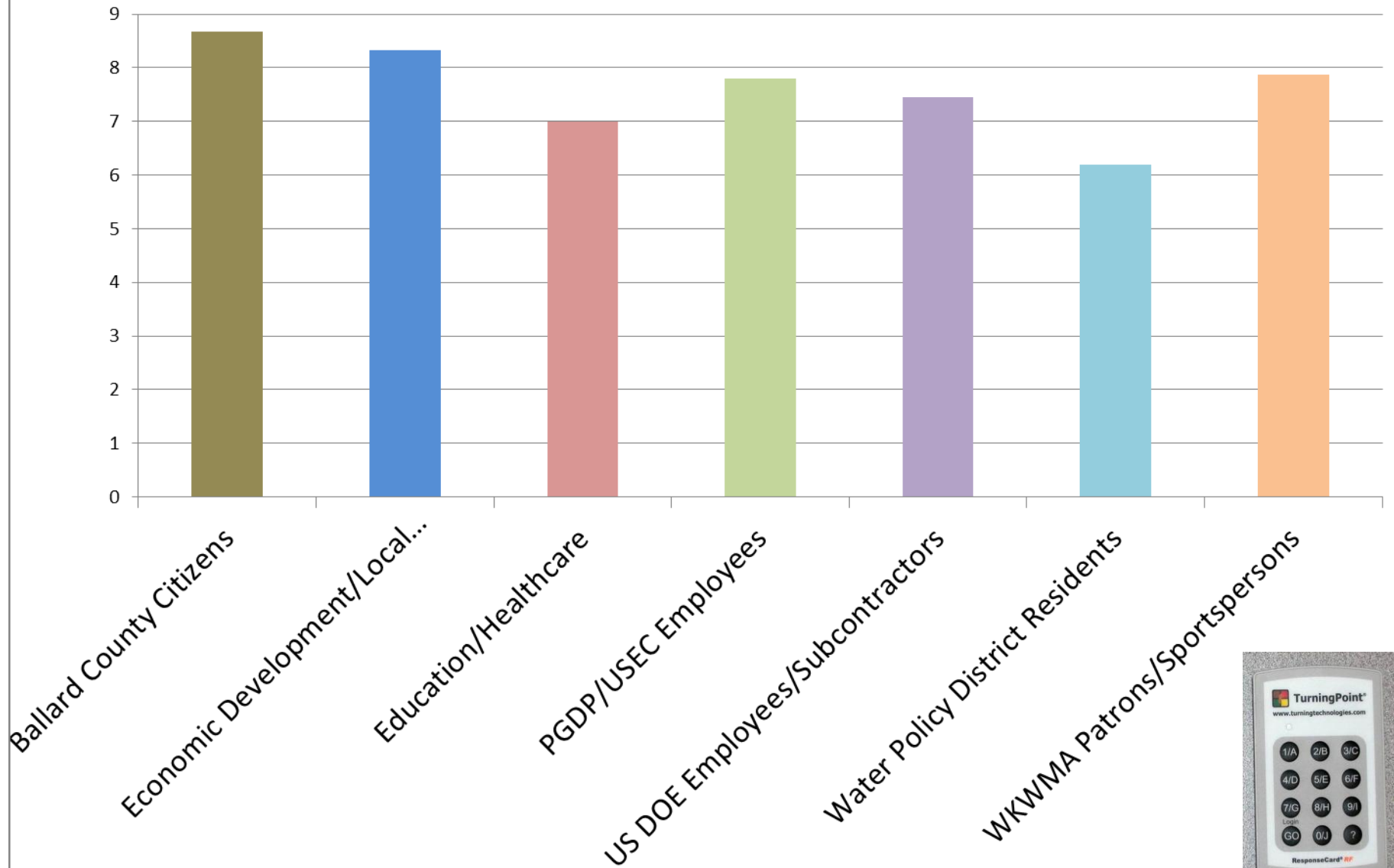
### Evaluation Metric (Arnstein, 1969)

## Guiding Principles

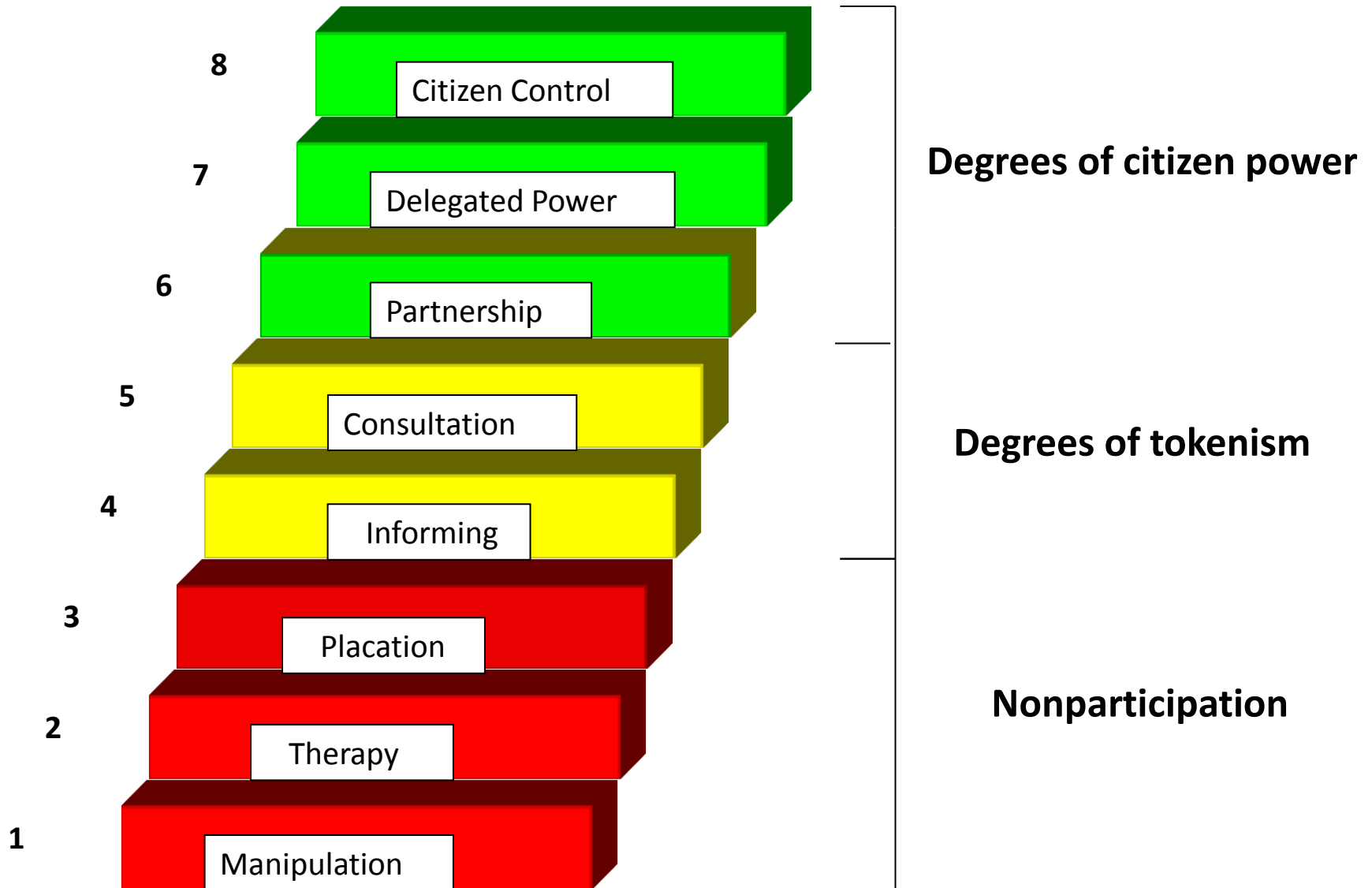
# Stakeholder Engagement Process



## Process Rating by Meeting



# The Arnstein Ladder: Degrees of Citizen Participation in Planning (Arnstein 1969)



# Sample Floyd's Fork-Related Questions

- Where do you feel past Floyd's Fork-related projects fall on the Arnstein ladder of engagement?
- Where do you feel Floyd's Fork-related projects should fall on the Arnstein ladder?
- How do you think the desired level of community engagement could best be achieved (e.g., interviews, focus groups, community meetings, etc.)?
- What elements of the PGDP process (if any) do you think might be applicable here?
- What challenges exist for community engagement around these issues?



# Sample Floyd's Fork-Related Questions

- How do you use the watershed?
- Ideally, how would you like to use the watershed (or see other people use it)?
- What issues prevent you from fully using the watershed as you would like?
- How do your actions affect this watershed and its potential uses?
- How do others' actions affect the watershed and its potential uses?
- To the best of your knowledge, how are watershed management decisions currently made and enforced? By whom?
- Ideally, how *should* watershed management decisions be made and enforced? By whom?
- What management strategies do you think would be appropriate for the Floyd's Fork watershed? Where? Under what conditions?

# Sample Floyd's Fork-Related Questions

- Do you have other specific concerns about the watershed that we have not yet discussed?
- What other people and/or organizations directly affect or are directly affected by the watershed and its use?
- What kinds of information would be helpful if you were making decisions about how the watershed is being used and/or how it should be used in the future?
- In what formats would that information be most useful?
- Who would you think of as a trustworthy source of such information about the watershed?
- Are there other individuals or organizations we haven't discussed who should be involved in this process? If so, who are they?

# Contact Us

Kentucky Water Resources Research Institute  
University of Kentucky  
233 Mining & Minerals Resources Building  
Lexington, KY 40506-0107  
859-257-1299

Project Team:

Lindell Ormsbee ([lormsbee@engr.uky.edu](mailto:lormsbee@engr.uky.edu))

Jim Kipp ([kipp@uky.edu](mailto:kipp@uky.edu))

Anna Hoover ([Anna.Hoover@uky.edu](mailto:Anna.Hoover@uky.edu))

Stephanie Jenkins ([swjenk2@uky.edu](mailto:swjenk2@uky.edu))

# Questions?